

CLAIMS

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What is claimed is:

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1. A bandpass filter, comprising an inductor having a core that consists essentially of an Fe-base amorphous metal alloy.

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2. A bandpass filter as recited by claim 1, wherein said core has a substantially constant permeability over a frequency range of approximately 1 to 1000 kHz.

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3. A bandpass filter as recited by claim 1, wherein said core has a substantially constant permeability.

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4. A bandpass filter as recited by claim 3, wherein said substantially constant permeability exists for a field strength range of approximately -15 to +15 Oe.

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5. An inductor comprising a core that consists essentially of an Fe-base amorphous metal alloy, and has a substantially constant permeability over a frequency range of approximately 1 to 1000 KHz.

6. An inductor as recited by claim 5, wherein said core permeability is substantially constant.

7. An inductor as recited by claim 5, wherein said substantially constant permeability is extant over a field strength range of approximately -15 to +15 Oe.

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In a method for limiting frequency communications, the improvement wherein there is utilized an inductor having a core consisting essentially of an Fe-base amorphous metal alloy.

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A method as recited by claim 8, wherein said core has a substantially constant permeability.

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A method as recited by claim 9, wherein said substantially constant permeability is extant over a frequency range of approximately 1 to 1000kHz.

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11.

A method as recited by claim 10, wherein said core permeability is substantially constant over a magnetic field strength range of approximately -15 to +15 Oe.

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